### Accepted Manuscript

Title: GLP-1 Receptor Agonists Stimulate ANGPTL8 Production Through the PI3K/Akt Pathway in a GLP-1 Receptor-Dependent Manner

Authors: Junling Liu, Kun Yang, Wenhua Xiao, Yunyi Le, Shan Lang, Jingjing Zhang, Rui Wei, Jin Yang, Tianpei Hong



Please cite this article as: Liu J, Yang K, Xiao W, Le Y, Lang S, Zhang J, Wei R, Yang J, Hong T, GLP-1 Receptor Agonists Stimulate ANGPTL8 Production Through the PI3K/Akt Pathway in a GLP-1 Receptor-Dependent Manner, *Peptides* (2018), https://doi.org/10.1016/j.peptides.2018.07.001

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.



### ACCEPTED MANUSCRIPT

# GLP-1 Receptor Agonists Stimulate ANGPTL8 Production Through the PI3K/Akt Pathway in a GLP-1 Receptor-Dependent Manner

Junling Liu, Kun Yang, Wenhua Xiao, Yunyi Le, Shan Lang, Jingjing Zhang, Rui Wei, Jin Yang\*,

Tianpei Hong\*

Department of Endocrinology and Metabolism, Peking University Third Hospital, Beijing

100191, China

\*Correspondence: Jin Yang or Tianpei Hong, Department of Endocrinology and Metabolism,

Peking University Third Hospital, 49 North Garden Road, Haidian District, Beijing 100191,

China.

Tel: +86-10-82266918

Fax: +86-10-62017700

#### Highlights

- Exenatide treatment increased serum ANGPTL8 level in patients with T2DM
- Upregulation of serum ANGPTL8 level is not associated with BW loss and BG decrease
- GLP-1R agonists stimulate ANGPTL8 production in human hepatocytes dosedependently
- GLP-1R agonists promote ANGPTL8 production via GLP-1R-PI3K/Akt pathway

E-mail: yangjin@bjmu.edu.cn (J. Yang), tpho66@bjmu.edu.cn (T. Hong)

Download English Version:

## https://daneshyari.com/en/article/8347269

Download Persian Version:

https://daneshyari.com/article/8347269

Daneshyari.com